

**DRIVE LEVEL FLOW-FIELD CONDITIONING TO REDUCE FLOW  
FIELD TURBULENCE**

**ABSTRACT OF THE DISCLOSURE**

5           A flow control device for a data storage system to reduce flow induced  
vibration. The flow control device includes a plurality of streamline flow  
passages to reduce turbulent flow in a flow field along a disc surface. Thus, air  
flow induced by rotation of data discs is directed through the plurality of  
streamline flow passages to reduce turbulence to limit excitation or vibration of  
10   the head and suspension components.

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